

**STUDY & EVALUATION SCHEME**  
**M.TECH: ELECTRICAL ENGINEERING (PT)**  
**SPECIALIZATION: RENEWABLE ENERGY AND ENERGY AUDIT**  
**I YEAR: I SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU1001P	Technical Communication	2	0	0	40	60	100	2
2	MEE1005P	Introduction to Energy Studies	4	1	0	40	60	100	4
3	MEE1006P	Rural Electrification: Technologies and Economics	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
4	MEE1503P	Solar Energy Lab	0	0	3	80	20	100	2
<b>TOTAL</b>			<b>10</b>	<b>3</b>	<b>3</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>13</b>

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

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S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU2001P	Professional Ethics	2	0	0	40	60	100	2
2	MEE2005P	Wind Energy, Small Hydro and New Renewable Energy Technologies	4	2	0	40	60	100	5
3	MEE2006P	Energy Auditing and Management	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
4	MEE2503P	Wind Energy Lab	0	0	3	80	20	100	2
<b>TOTAL</b>			<b>10</b>	<b>4</b>	<b>3</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>14</b>

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**II YEAR: III SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MEE3007P	Solar Energy	4	2	0	40	60	100	5
2	MEE3008P	Power Quality	4	2	0	40	60	100	5
3	MEE3009P	Waste to Energy Conversion Technologies	4	0	0	40	60	100	4
<b>PRACTICAL/ TRAINING/PROJECT</b>									
4	MEE3502P	Waste to Energy Conversion Technologies Lab	0	0	3	80	20	100	2
<b>TOTAL</b>			<b>12</b>	<b>4</b>	<b>3</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>16</b>

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**II YEAR: IV SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	---	Elective-I	4	2	0	40	60	100	5
2	---	Elective-II	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
3	MEE4501	Seminar/Minor Project	-	-	4	100	-	100	4
<b>TOTAL</b>			<b>8</b>	<b>4</b>	<b>4</b>	<b>180</b>	<b>120</b>	<b>300</b>	<b>14</b>

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**III YEAR: V SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	---	Elective-III	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
2	MEE5501P	Dissertation-I	-	-	6	100	-	100	6
<b>TOTAL</b>			<b>4</b>	<b>2</b>	<b>6</b>	<b>140</b>	<b>60</b>	<b>200</b>	<b>11</b>

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**III YEAR: VI SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
<b>PRACTICAL/ TRAINING/PROJECT</b>									
1	MEE6502P	Comprehensive Viva	0	0	0	100	-	100	2
2	MEE6501P	Dissertation-II	-	-	18	80	20	100	18
<b>TOTAL</b>			<b>0</b>	<b>0</b>	<b>18</b>	<b>180</b>	<b>20</b>	<b>200</b>	<b>20</b>
<b>GRAND TOTAL</b>			<b>44</b>	<b>17</b>	<b>37</b>	<b>1100</b>	<b>800</b>	<b>1900</b>	<b>88</b>

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**LIST OF ELECTIVES**

<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>
<b>Elective-I (Semester-IV)</b>		
1	MEE4106P	Energy and Climate Change Concerns
2	MEE4107P	Energy Economics
3	MEE4108P	Power System for Renewable Energy Sources
4	MMA4102P	Research Methodology and Statistical Method
<b>Elective-II (Semester-IV)</b>		
1	MEE4207P	Environmental Impact Assessment
2	MEE4208P	Smart Grid
3	MEE4209P	Energy Modelling and Project Management
4	MEE4210P	Fuel and Combustion Technology
<b>Elective-III (Semester-V)</b>		
1	MEE5106P	Bio Energy System Technology
2	MEE5107P	New Energy Technology
3	MEE5108P	Solar Photovoltaic System
4	MEE5109P	Energy Auditing Instrumentation